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Images in cardio-thoracic surgery

Pseudoaneurysm of the left ventricle near the non-coronary sinus valsalvae after aortic valve replacement

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Fourteen days after aortic valve replacement a 60-year-old male patient presented with sternal infection. Subsequent transesophageal echocardiography revealed a huge and pulsatile pseudoaneurysm near the non-coronary sinus of

Valsalva. To prevent potential rupture pseudoaneurysm was resected and aortic root replaced with a homograft. Under antibiotic therapy postoperative course was uneventful (Figs. 1 and 2).

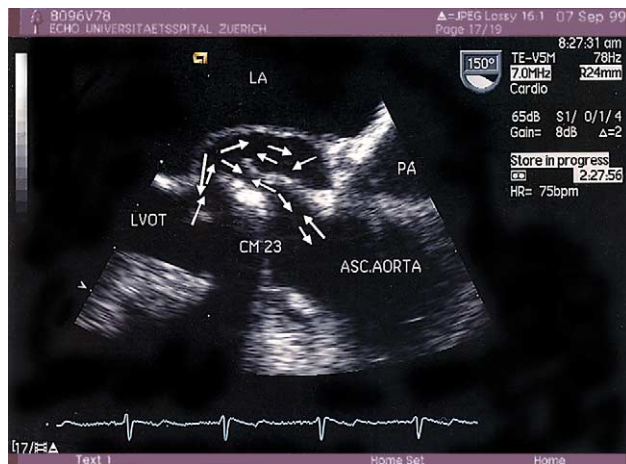


Fig. 1. TEE: CM 23, artificial aortic valve (Carbomedics®); L, left atrium; LVOT, left ventricular outlet tract; PA, pulmonary artery; →, in-flow from the LVOT to the pseudoaneurysm.

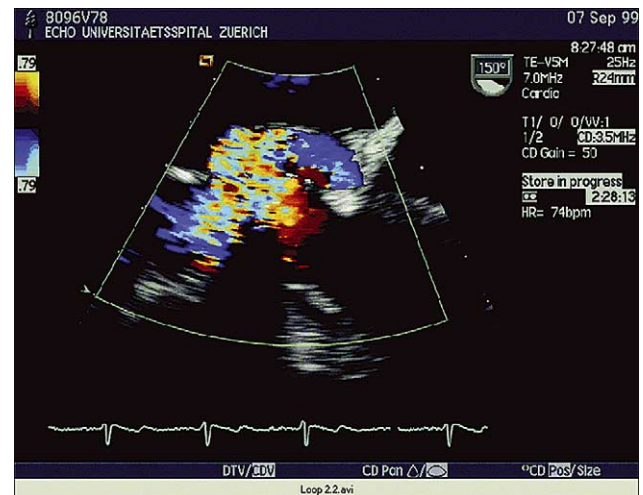


Fig. 2. Doppler-TEE of the pseudoaneurysm.

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